

IN THE CLAIMS:

Please CANCEL claims 8, 14 and 18 without prejudice to or waiver of the recited subject matter.

Please AMEND claims 1, 5, 7, 10, 11, 13, 15 and 20, and ADD new claims 21-23, as follows:

1. (Currently Amended) information processing apparatus provided with a printer driver, comprising:

finishing command setting means which can set, on a print setting screen of the printer driver, a finishing command, selected from among an enable mode, a disable mode and an automatic mode, to a printer so as to rotation-sort-output or Offset-output document data;

layout setting means for setting, on the print setting screen of the printer driver, a print layout of the document data;

counting means for counting the number of physical sheets to which the document data of one copy whose output is desired is allocated;

print instructing means for instructing execution of printing; and

spooling means for spooling the document data as intermediate data of a data format different from that of the document data[.];

intermediate data page editing means for making a layout print control of the intermediate data spooled by said spooling means based on the number counted by said counting means and based on the print layout set by said layout setting means;

wherein said finishing command setting means sets the finishing command and said layout setting means sets the print layout on a print setting menu screen of the printer driver;

wherein said finishing command setting means sets the automatic mode in which the finishing command is left to decision of the printer driver;

wherein said layout setting means sets the number of logical pages to be allocated to one physical sheet and a layout order of the logical pages on the physical sheet; and

wherein when the automatic mode is set said finishing command setting means disables the finishing command if the counting by said counting means shows that the document data of one copy is printed onto one physical sheet, such that the rotation sort output or the Offset output is not performed; and enables the finishing command if the counting by said counting means shows that the document data of one copy is printed onto two or more physical sheets; such that the rotation sort output or the Offset output is performed

intermediate data output means for outputting the intermediate data whose layout print control is made by said intermediate data page editing means;

discriminating means for discriminating, based on the counting by said counting means, whether the document data of one copy is printed onto one physical sheet or onto two or more physical sheets, when the automatic mode is set by said finishing command setting means;

command changing means for changing the finishing command in response to a discrimination made by said discriminating means; and

print data generating means for adding the finishing command changed by said command changing means to the intermediate data output by said intermediate data output means so as to generate print data.

2. (Canceled)

3. (Previously Presented) An apparatus according to claim 1,

wherein said counting means executes the counting on the basis of said intermediate data spooled by said spooling means.

4. (Previously Presented) An apparatus according to claim 3, further comprising:

intermediate data page editing means for making a layout print control of said intermediate data on the basis of the number counted by said counting means and the print layout set by said layout setting means;

intermediate data output means for outputting said edited intermediate data; and  
print data generating means for generating print data from said outputted intermediate data.

5. (Currently Amended) A print data generating method comprising:

a finishing command setting step which can set, on a print setting screen of the printer driver, a finishing command, selected from among an enable mode, a disable mode and an automatic mode, to a printer so as to rotation-sort-output or Offset-output document data;

a layout setting step of setting, on the print setting screen of the printer driver, a print layout of the document data;

a counting step of counting the number of physical sheets to which the document data of one copy whose output is desired is allocated,

a print instructing step of instructing execution of printing; and

a spooling step of spooling the document data as intermediate data of a data format different from that of the document data,

wherein said finishing command setting step sets the finishing command and said layout setting step sets the print layout on a print setting menu screen of a printer driver;

wherein said finishing command setting step sets the automatic mode in which the finishing command is left to decision of the printer driver;

wherein said layout setting step sets the number of logical pages to be allocated to one physical sheet and a layout order of the logical pages on the physical sheet; and

intermediate data output means for outputting the intermediate data whose layout print control is made by said intermediate data page editing means;

discriminating means for discriminating, based on the counting by said counting means, whether the document data of one copy is printed onto one physical sheet or onto two or more physical sheets, when the automatic mode is set by said finishing command setting means;

command changing means for changing the finishing command in response to a discrimination made by said discriminating means; and

print data generating means for adding the finishing command changed by said command changing means to the intermediate data output by said intermediate data output means so as to generate print data.

6. (Canceled)

7. (Currently Amended) A method according to claim 5,

and wherein the number of physical sheets is counted in said counting step on the basis of said the intermediate data spooled by said spooling step.

8. (Canceled)

9. (Canceled)

10. (Currently Amended) A computer-readable recording medium which records a program, wherein said program comprises:

a finishing command setting step which can set, on a print setting screen of the printer driver, a finishing command, selected from among an enable mode, a disable mode and an automatic mode, to a printer so as to rotation-sort-output or Offset-output document data;

a layout setting step of setting, on the print setting screen of the printer driver, a print layout of the document data;

a counting step of counting the number of physical sheets to which the document data of one copy whose output is desired is allocated,

a print instructing step of instructing execution of printing; and

a spooling step of spooling the document data as intermediate data of a data format different from that of the document data[[,]];

wherein said finishing command setting step sets the finishing command and said layout setting step sets the print layout on a print setting menu screen of the printer driver;

wherein said finishing command setting step sets the automatic mode in which the finishing command is left to decision of the printer driver;

wherein said layout setting step means sets the number of logical pages to be allocated to one physical sheet and a layout order of the logical pages on the physical sheet; and

and when the automatic mode is set in said finishing command setting step, said finishing command is disabled the document data of one copy is printed onto one physical sheet, such that the rotation sort output or the Offset output is not performed, and enables the finishing command if the counting in the counting step shows that the document data of one copy is printed onto two or more physical sheets, such that the rotation sort output or the Offset output is performed

intermediate data output means for outputting the intermediate data whose layout print control is made by said intermediate data page editing means;

discriminating means for discriminating, based on the counting by said counting means, whether the document data of one copy is printed onto one physical sheet or onto two or more physical sheets, when the automatic mode is set by said finishing command setting means;

command changing means for changing the finishing command in response to a discrimination made by said discriminating means; and

print data generating means for adding the finishing command changed by said command changing means to the intermediate data output by said intermediate data output means so as to generate print data.

11. (Currently Amended) An information processing apparatus provided with a printer driver, comprising:

finishing command setting means which can set, on a print setting screen of the printer driver, a finishing command selected from among an enable mode and a disable mode to a printer so as to rotation-sort-output or Offset-output document data:

layout setting means for setting, on the print setting screen of the printer driver, a print layout of the document data;

a user interface menu screen, provided by the printer driver, on which a user activates said finishing command setting means to set the finishing command and said layout setting means to set the print layout; ~~and~~

counting means for counting the number of physical sheets to which the document data of one copy whose output is desired is allocated[.];

~~wherein said finishing command setting means can set the finishing command in an enabled state or in a disabled state;~~

~~wherein said layout setting means sets the number of logical pages to be allocated to one physical sheet and a layout order of the logical pages on the physical sheet, and~~

~~wherein when the finishing command is set in the enabled state and the counting by said counting means shows that the document data of one copy is printed onto on physical sheet, said finishing command setting means changes the finishing command from the enabled stated to the disabled state~~

spooling means for spooling the document data as intermediate data of a data format different from that of said document data;

intermediate data page editing means for making a layout print control of the intermediate data spooled by said spooling means based on the number counted by said counting means and based on the print layout set by said layout setting means;

intermediate data output means for outputting the intermediate data whose layout print control is made by said intermediate data page editing means;

discriminating means for discriminating, based on the counting by said counting means, whether the document data of one copy is printed onto one physical sheet or onto two or more physical sheets, when the enable mode is set by said finishing command setting means;

command changing means for changing the finishing command in response to a discrimination made by said discriminating means; and

print data generating means for adding the finishing command changed by said command changing means to the intermediate data output by said intermediate data output means so as to generate print data.

12. (Canceled)

13. (Currently Amended) An apparatus according to claim 11, further comprising:

print instructing means for instructing execution of printing[:,], and

spooling means for spooling said document data as intermediate data of a data format different from that of said document data;



~~and~~ wherein said counting means executes the counting on the basis of said intermediate data spooled by said spooling means.

14. (Canceled)

15. (Currently Amended) A print data generating method of an information processing apparatus provided with a print driver and comprising:

a finishing command setting, on a print setting screen of the printer driver, a finishing command setting step selected from among an enable mode and a disable mode to a printer so as to rotation-sort-output or Offset-output document data;

a layout setting step of setting, on a print setting screen of the printer driver, a print layout of the document data;

a user interface menu screen step, provided by the printer driver, on which a user performs said finishing command setting step to set the finishing command and said layout setting step to set the print layout; ~~and~~

a counting step of counting the number of physical sheets to which the document data of one copy whose output is desired is allocated[[.]];

~~wherein said finishing command setting step can set the finishing command in an enabled state or in a disabled state;~~

~~wherein said layout setting step sets the number of logical pages to be allocated to one physical sheet and a layout order of the logical pages on the physical sheet; and~~

wherein when the finishing command is set in the finishing command setting step to the enabled state and the counting in said counting step shows that the document data of one copy is printed onto one physical sheet, said finishing command setting step changes the finishing command from the enabled state to the disabled state;

spooling means for spooling the document data as intermediate data of a data format different from that of said document data;

intermediate data page editing means for making a layout print control of the intermediate data spooled by said spooling means based on the number counted by said counting means and based on the print layout set by said layout setting means;

intermediate data output means for outputting the intermediate data whose layout print control is made by said intermediate data page editing means;

discriminating means for discriminating, based on the counting by said counting means, whether the document data of one copy is printed onto one physical sheet or onto two or more physical sheets, when the enable mode is set by said finishing command setting means;

command changing means for changing the finishing command in response to a discrimination made by said discriminating means; and

print data generating means for adding the finishing command changed by said command changing means to the intermediate data output by said intermediate data output means so as to generate print data.

16. (Canceled)

17. (Previously Presented) A method according to claim 15, further comprising:

a print instructing step of instructing data as intermediate data of a data format different from that of said document data,

and wherein the counting is executed in said counting step on the basis of said intermediate data spooled by said spooling step.

18. (Canceled)

19. (Canceled)

20. (Currently Amended) A computer-readable recording medium which records a print control program, wherein said program comprises:

a finishing command setting step of setting, on a print setting screen of the printer driver, the finishing command selected from among an enable mode and a disable mode to a printer so as to rotation-sort-output or offset-output document data;

layout setting step for setting, on a print setting screen of the printer driver, a print layout of the document data;

a user interface menu screen step, provided by the printer driver, on which a user activates said finishing command setting step to set the finishing command and said layout setting step to set the print layout; and

a counting step of counting the number of physical sheets to which document data of one copy whose output is desired is allocated[[,]];

wherein said finishing command setting step can set the finishing command in an enabled state or in a disabled state;

wherein said layout setting step sets the number of logical pages to be allocated to one physical sheet and a layout order of the logical pages on the physical sheet; and

wherein when the finishing command is set in the finishing command setting step to the enabled state and the counting by said counting means shows that the document data of one copy is printed onto one physical sheet, said finishing command setting step changes the finishing command from the enabled state to the disabled state

spooling means for spooling the document data as intermediate data of a data format different from that of said document data;

intermediate data page editing means for making a layout print control of the intermediate data spooled by said spooling means based on the number counted by said counting means and based on the print layout set by said layout setting means;

intermediate data output means for outputting the intermediate data whose layout print control is made by said intermediate data page editing means;

discriminating means for discriminating, based on the counting by said counting means, whether the document data of one copy is printed onto one physical sheet or onto two or more physical sheets, when the enable mode is set by said finishing command setting means;

command changing means for changing the finishing command in response to a discrimination made by said discriminating means; and

print data generating means for adding the finishing command changed by said command changing means to the intermediate data output by said intermediate data output means so as to generate print data.

21. (New) An apparatus according to claim 1, wherein said finishing command setting means sets the automatic mode in which the finishing command is left to processing by said discriminating means and said command changing means.

22. (New) An apparatus according to claim 1, wherein said layout setting means sets the number of logical pages to be allocated to one physical sheet and a layout order of the logical pages on the physical sheet.

23. (New) An apparatus according to claim 1, wherein said finishing command setting means disables the finishing command if the counting by said counting means shows that the document data of one copy is printed onto one physical sheet, such that the rotation sort output or the Offset output is not performed, and enables the finishing command if the counting by said counting means shows that the document data of one copy is printed onto two or more physical sheets, such that the rotation sort output or the Offset output is performed.